IEEE Technology Management Council Spain IEEE Computer Society e-Government Workshop

The Strategic Planning Documented

Part II: Strategy Markup Language (StratML)

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About the IEEE Technology Management Council (IEEE TMC)

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IEEE Reliability Society

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IEEE Vehicular Technology Society





TECHNOLOGY MANAGEMENT COUNCIL

Part II: StratML

- 1. Good "tools" for Strategic Plans.
- 2. Why a machine-readable language here?
- 3. Strategic semantic business web
- 4. Definition
- 5. Focus & Intent
- 6. StratML Part 1
- 7. StratML Part 2
- 8. StratML Part 3: candidate elements
- 9. First context: US eGovernment Act
- 10. StratML Forms, Tools & Prototype Services
- 11. XForm
- 12. Links, documents & references used



Good "tools" for Strategic Plans









Good "tools" for Strategic Plans



Elements of strategic plans should be easily

Shared
Referenced
Indexed
Discovered
Linked
Reused
Analyzed







Enabling the concept of "strategic alignment" and linking:

- goal
- objective statements
- and all other records created by organizations in their business processes.







Discovery of **potential performance partners** who share common goals and objectives

Produce **inputs needed** or require outputs produced by the organization compiling the strategic plan

Facilitate **stakeholder feedback** on strategic goals and objectives







Updating and maintenance of discrete elements of strategic plans

- Without requiring review and approval of the entire plan through bureaucratic channels,
- Helping to make the strategic planning process more agile and
- Responsive to stakeholder feedback and changing circumstances,
- Thus helping to overcome the tendency of strategic plans to become outdated "shelfware".

Avoid associated elements related with maintaining data redundantly in myriad "stovepipe" systems rather than referencing the authoritative sources, reducing:

- Time,
- Effort,
- Inconsistencies,
- Delays







Work together to:

- Link performance goals to key groups (stakeholders),
- Adopt open standards (e.g., StratML)
- Enable the organization and categorization of information searchable electronically and interoperable

Track and *monitor* the *performance* of organizations about whose goals you care







In addition... more benefits

Engage employees, partners, and other stakeholders not only in crafting but also carrying out strategic goals and objectives, more efficiently and effectively.

More easily discover and participate in the establishment of goals and objectives of our company/public agencies whose missions are of particular interest to you.

Standard vocabulary and schema for strategic plans will make it easier to develop applications and services.

More easily discover those who share your values and are pursuing objectives you consider to be worthy of priority for your support/collaboration/"coopetition".

Review and provide feedback far more efficiently and effectively on the goals and objectives of companies that are truly customer focused and share their strategic plans openly.





Strategic Semantic Business Web



- Semantic Web (of Meaning)
 - Linked Open Data
 - Tim Berners-Lee <u>5-Star Data</u>
- StratML: XML vocabulary and schema for strategic plans
 - Linkage of Missions, Visions, Values, Goals, Objectives,
 Stakeholders, Inputs, Processes, Outputs & Outcomes
 - Interoperability & Strategic Alignment
 - Worldwide Network (Web) of Intentions & Results!
 - Maturation of "Social" Media/Networking Services
 - For Business-Quality Purposes





Definition



- Strategy Markup Language (StratML) Part 1 is an XML vocabulary and schema for the elements commonly contained in strategic plans.
- StratML Part 2 extends Part 1 to include the additional elements required for performance plans and reports.
- StratML Part 3 and perhaps additional parts will incorporate additional elements that, while not deemed essential, may add value to the core elements of strategic and performance plans.





Focus & Intent



Started in the USA but with intention to be adopted as an international voluntary consensus standard

Searching for accountability and optimal performance and efficiency in government, but potential use by all organizations worldwide too.





StratML Part 1 & 2



Part 1

ANSI/AIIM 21:2009

International Standardization

➤ISO/TC 171/SC 2 in progress

Core Elements

- 1. Organization
- 2. Mission
- 3. Vision
- 4. Value
- 5. Goal
- 6. Objective
- 7. Stakeholder

Part 2

Part 1 + ANSI/AIIM 22:2011:

Additional Elements:

- 8. Stakeholder Roles.
- 9. Performance Indicators





StratML Part 2: additional elements



- Metric At least one Objective should be included and a Metric should be associated with it.
- Outcome At least one desired Outcome should be specified, because no organization should exist solely for self-serving purposes.
- Output The Outputs required to achieve the desired Outcome(s) should be specified.
- <u>Input</u> The Inputs required to produce Outputs should be specified.
- <u>Process</u> The Processes required to produce Outputs and Outcomes should be specified.
- <u>Stakeholder</u> At least one Stakeholder of the performer type should be identified, although the named performer may be an organizational role rather than a particular individual.





StratML Part 3: Candidate Elements



Part 3 is Under Development (Participation is Open & Welcome)

- Geospatial Referencing
 - Organizations, Goals, Objectives & Stakeholders
- Citation of Legal or Other Authorities
 - Laws, Regulations & Policies
- Categorization of Goals, Objectives & Performance Indicators
 - Under Various , User-Determined Taxonomies
- Documentation of Relationships
 - Among Goals, Objectives & Performance Indicators
- Strategy Formulation Frameworks & Methods
 - SWOT &/or PEST
- Documentation of Organizational Core Competencies & Value Propositions
- Etc.





First context: StratML for Governments



Cooperation

between government agencies and others stakeholders (public-private partnership & citizen, etc.) to link their performance goals.

Adopt open standards

enabling the organization and categorization of Government information in a way that is searchable electronically and interoperable across agencies and organizations.







- Documentation & Transformation Services
- CAM Interactive Documentation
- Authoring/Editing Tools
 - Adobe, Xopus, Business Web Software, XForms....
- Tag Cloud
- Atom Demonstration
- Basic Stylesheet
- Farsi Translations & StratML Transformation Portal
- Search Service
- Schema Design







- During the development, piloting, proof-of-concept phase, more than 900 strategic plans have been rendered in StratML format, using seven different authoring/conversion tools, including:
 - Microsoft <u>InfoPath</u> using this <u>form</u>
 - Adobe PDF Fillable <u>Form</u>
 - Xopus Form (Available in Spanish as well as English)
 - XForms Form for StratML Part 1
 - XForms Form for Part 2
 - Microsoft Word, with assistance







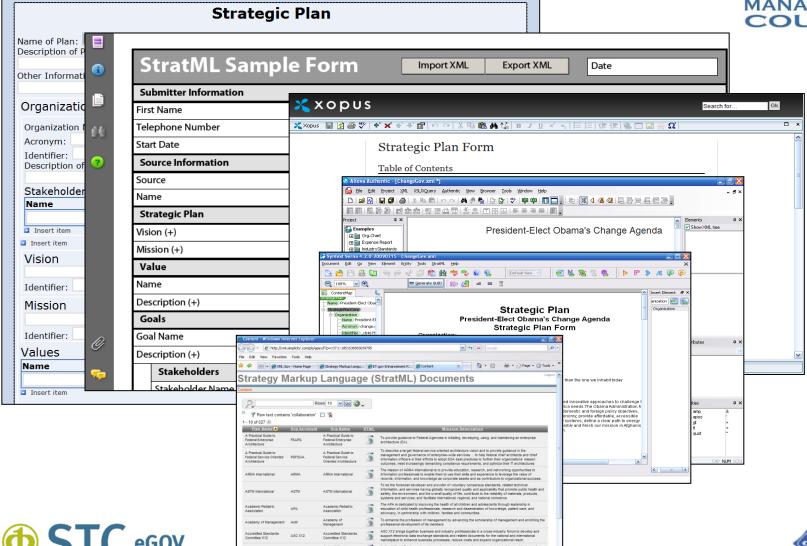
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AllM/ANSI Standards AllM and ANSI have been working very More on StratML Standards	Excellence Policy Recomi	n Education and Training Lea mendations Participation Info	orr	Submitter: First name: Owen Last name: Ambur	Organization: Name: President of the Un Acronym: POTUS
The StratML References section also has and versions.		echnology Accountability Ope ficiency and Effectiveness Div	Tuesday, August 26, 2008, 1:00:00 PM -	Email Address: Owen. Ambur@veriz	on.net
StratML Documents The StratML portal provides complete rendered to navigable Web sites acce create, edit, and view StratML docume tools and resources are also available of	Fraud and Errors (ED) Custom CERTIFICATION Budget and F Research and Scholarship Cus	ner Satisfaction Data and Informat Performance Integration Supply Cl stomer Service Management Susta	Vision: We will strive to meet the needs of the Nation even more veteran-focused organization, functioning women who have served our Nation; (2) cultivating a colleve in, and take pride in our vitally important miss service with the best in business and use innovative m	on; (3) Values Citizen Centricity Results Focus	Table of contents
Current Content The section menu below provides alph StratML are added regularly. See also \$		y Housing Conformity Assessmen	: Standards Data and Function Sharin ht Foundational Systems Networking	1.1 Citizen Centricity 1.2 Service-Delivery Staf	fing nment

Sharing Strategic Goal 5 Strategic Map Member Services Results State Health Insurance (HHS) R&D Investment Criteria Knowledge Dissemination Recognition Dispute Resolution Information and













Group Activity: XForm

1. Creating the plan.



- 2. Publishing the Plan using Xform to create a StratML Part 1 document.
- 3. Updating a Plan using Xform in a StratML Part 1 document.



Shari Catalo This XM Save th	ng • XForm • xml.Gov • L 1L Form (XForm) provides an e XForm you create here to y	rategies and directions JRLs to try • XSLTForms • XForms Spec • About easy way to create and edit StratML files. our hand drive and reimport it until you're ready to publish. e, re-import the file here and catalog the file for others to find.		
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n Information	Plan Name Goes Here	•		
Source of Plan (e.g., URL):	Link			
Description of Plan:				





Links, documents & references used



- Excellence in financial Management: http://www.exinfm.com
- Strategic Planning Workshop: http://www.slideshare.net/ciellauren/strategic-planning-workshop
- Strategy Markup Language: Maturing Social Networking Services for Machine Readable Government and the Strategic Semantic Business Web:
 - http://xml.fido.gov/stratml/references/SPIConference20111209.pdf
- StratML:
 - Joinup (European Commission):
 - https://joinup.ec.europa.eu/catalogue/asset_release/strategy-markup-language
 - Official site: http://xml.fido.gov/stratml
 - Quick start guide: http://xml.fido.gov/stratml/references/StratML QuickStart Guide.pdf
 - Definition & purposes: http://xml.fido.gov/stratml/#DefinitionPurposes
 - Current work & results: http://xml.fido.gov/stratml/#WorkResults
 - Schema: http://xml.fido.gov/stratml/#xsd
 - Forms: http://xml.fido.gov/stratml/#Forms
 - Search and prototypical services: http://xml.fido.gov/stratml/#Services
- US HUD Strategic Planning Resources: http://portal.hud.gov/hudportal/HUD









Thank you very much!!

http://www.computer.org/eGov

http://sites.ieee.org/spain-tmc/



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